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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

MATSUI, Keizo et al

Group Art Unit: 3744

Serial No.: 10/564,033

Examiner: Not Yet Assigned

Filed: January 10, 2006

P.T.O. Confirmation No.: 4005

For: HEAT PUMP APPARATUS

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

May 29, 2007

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

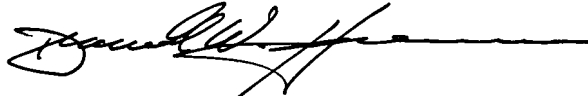
No fee is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP



Donald W. Hanson
Attorney for Applicants
Reg. No. 27,133

Atty. Docket No. 050819
Suite 1000, 1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930
DWH/nk



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PATENT TRADEMARK OFFICE

Enclosures: PTO1449, 1 Reference



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	Applicant(s): MATSUI, Keizo et al	Confirmation No. 4005
	Filing Date: January 10, 2006	Group Art Unit: 3744

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Sub class	Filing Date (If appropriate)
	AA					
	AB					

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
AC			
AD			
AE			
AF			
AG			
AH			
AI			
AJ			
AK			
AR			
AS			

OTHER DOCUMENTS

	AT	"Energy effective use base technique research and development, development of two-phase expander and compressor for CO2 air-conditioner;" Fruition report of 2002; Report (to be public) March, 2003; New Energy Industrial and Technology Development Organization (and partial English translation)
Examiner	Date Considered	